

Converting Colors

YIQ(33.7750, -20.6350, 16.0450)

Have a look what the booklet for
YIQ(33.7750, -20.6350, 16.0450)
contains.

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Color

**YIQ(33.7750, -20.6350,
16.0450)**

Conversions

Conversions Part 1

Format	Color
Hex	181D54
RGB	24, 29, 84
RGB Percent	9%, 11%, 33%
CMY	0.9058, 0.8863, 0.6707
CMYK	0.71, 0.65, 0.00, 0.67
HSL	235°, 56%, 21%
HSV	235°, 71%, 33%
XYZ	2.4152, 1.7127, 8.5843
YIQ	33.7750, -20.6350, 16.0450

Conversions

Conversions Part 2

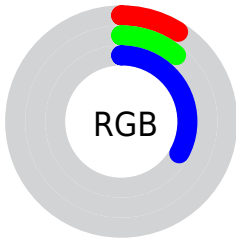
Format	Color
R_{YB}	24, 29, 84
Decimal	1580372
CIE _{Lab}	13.90, 18.11, -34.21
CIE _{LCh}	14, 38.706, 297.905
Yxy	1.7127, 0.1900, 0.1347
Android (android.graphics.Color)	4279770452 (0xFF181D54)
YUV	33.7750, 24.7609, -8.5727
Hunter-Lab	13.0870, 10.0403, -29.7297




Details

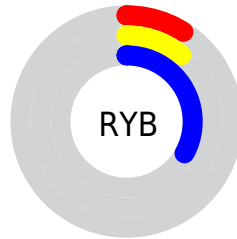
The YIQ color **33.7750, -20.6350, 16.0450** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **74.2250, 20.6350, -16.0450**, and the grayscale version is **34.0000, -0.0000, 0.0000**.




A 20% lighter version of the original color is **80.2640, -17.5180, 20.1300**, and **6.0930, -13.0230, 10.2490** is the 20% darker color. If you saturate the color by 10%, you get **26.6870, -23.2030, 18.5330**, and if you desaturate by 10%, it is **40.8630, -18.0670, 13.5570**.

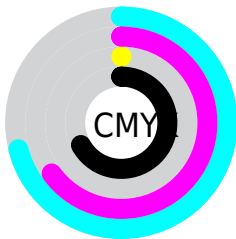
Distribution







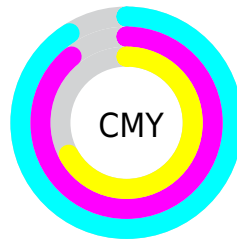
-  Red (9%)
-  Green (11%)
-  Blue (33%)






-  Red (9%)
-  Yellow (11%)
-  Blue (33%)



-  Cyan (71%)
-  Magenta (65%)
-  Yellow (0%)
-  Black (67%)



-  Cyan (91%)
-  Magenta (89%)
-  Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 33.7750, -20.6350, 16.0450 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 33.7750, -20.6350, 16.0450 by changing the saturation by 10% instead.

■ 33.7750, -20.6350,
16.0450

■ 33.7750, -20.6350,
16.0450

■ 255.0000, -0.0000,
-0.0000

■ 9.7750, -20.6350,
16.0450

■ 80.2640, -17.5180,
20.1300

■ 6.0930, -13.0230,
10.2490

■ 105.2040,
-17.2890, 21.4870

■ 2.2970, -5.0900,
4.1420

■ 130.7310,
-17.3350, 22.3210

■ 0.0000, 0.0000,
0.0000

■ 157.2580,
-17.3810, 23.1550

■ 183.7850,
-17.4270, 23.9890

■ 209.8470,

-11.9700, 18.7020

■ 234.9540, -2.3860,
10.2060

■ 33.7750, -20.6350,
16.0450

■ 33.7750, -20.6350,
16.0450

■ 26.6870, -23.2030,
18.5330

■ 40.8630, -18.0670,
13.5570

■ 19.8870, -26.6420,
20.2860

■ 47.6630, -14.6280,
11.8040

■ 13.6850, -28.8890,
22.4630

■ 54.7510, -12.0600,
9.3160

■ 62.1380, -8.8960,
7.0400

■ 68.6390, -6.0530,
5.0750

■ 75.7270, -3.4850,
2.5870

■ 83.1140, -0.3210,
0.3110

■ 90.2020, 2.2470,
-2.1770

■ 97.0020, 5.6860,
-3.9300

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.7400, -39.8900, 7.0700



33.7750, -20.6350, 16.0450



32.7150, 15.1250, 28.7650

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.7750, -20.6350, 16.0450



32.3600, 34.1570, 3.2210



30.7640, -23.2430, -13.7950

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.7750, -20.6350, 16.0450



74.2250, 20.6350, -16.0450

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



26.4150, -12.3750, -23.5350



33.7750, -20.6350, 16.0450



34.0110, 18.6620, -7.8180

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.7750, -20.6350, 16.0450



25.2340, 43.9200, 19.0240



30.0470, 0.6450, -17.2030



34.4290, -32.1850, -5.9210

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.7750, -20.6350, 16.0450



28.4950, 30.4840, 31.2520



30.0470, 0.6450, -17.2030



29.6240, -20.0330, -16.9050

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.7750, -20.6350, 16.0450



90.7960, -7.9330, 6.1070



65.4900, -34.1550, -14.2750



44.1830, -4.7690, 3.8310



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.7750, -20.6350, 16.0450



30.5260, -32.6950, 25.3610



38.3150, -4.3600, 23.9600



37.4560, -1.2840, 1.2440



17.2530, -36.1800, 27.9480



37.6010, -79.6970, 62.2150

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42.5100, 34.1550, 14.2750



44.3170, 54.0520, 22.6280



69.6850, 4.3600, -23.9600



38.1960, 2.3840, 0.8480



32.4210, 59.6910, 25.0590



71.5340, 132.1730, 55.0930

Previews

White Background



This preview shows how the YIQ color 33.7750, -20.6350, 16.0450 looks on a white background.

Color Contrast Check

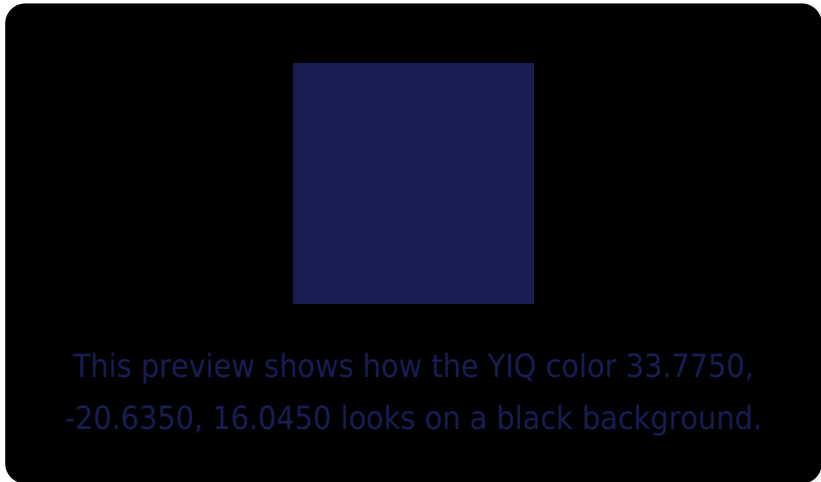
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

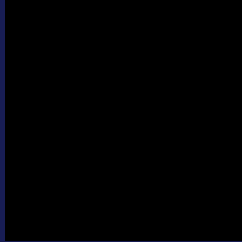
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 33.7750, -20.6350, 16.0450

Background



This preview shows how black text looks on a background with the YIQ color 33.7750, -20.6350, 16.0450.



This preview shows how white text looks on a background with the YIQ color 33.7750, -20.6350,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.7750, -20.6350, 16.0450

Protanopia

28.8670, -33.0580, 4.3980

Tritanopia

28.3820, -24.8030, -7.5470

Trichromacy



Original Color

33.7750, -20.6350, 16.0450

Protanomaly

30.8400, -28.4280, 8.5960

Tritanomaly

30.4350, -23.1540, 1.1180

Monochromacy



Original Color

33.7750, -20.6350, 16.0450

Achromatopsia

34.0000, -0.0000, 0.0000

Achromatomaly

33.6820, -7.6120, 5.7960

CSS Examples

Text

The CSS property to change the color of the text to YIQ 33.7750, -20.6350, 16.0450 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(24, 29, 84)` looks like.

```
.text, #text, p{  
    color:rgb(24, 29, 84)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(24, 29, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 29, 84) }
```

Border

The CSS property to change the border of an element to YIQ 33.7750, -20.6350, 16.0450 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(24, 29, 84) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(24, 29, 84) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(24, 29, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 29, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 29, 84);  
box-shadow:4px 4px 4px 4px rgb(24, 29, 84)  
}
```


Background

The CSS property to change the background color of an element to YIQ 33.7750, -20.6350, 16.0450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 29, 84) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(24, 29,  
84) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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